

SOLANUM ARAHUAYUM (SECT. PETOTA), NOVA SPECIE PERUVIANA

C.M. Ochoa

Genetic Resources Department, International Potato Center (CIP), P.O. Box
1558, Lima, PERU

ABSTRACT

Solanum arahuayum is newly described from Perú.

KEY WORDS: Solanaceae, *Solanum*, new species

Solanum arahuayum Ochoa, *spec. nov.* TYPUS: PERU. Dept. Lima, prov. Canta, Cruz Pallashcushca, 3100-3200 m altitudine, ca. Arahua, Inter saxum, Martius 28, 1972; *Graciela Vilcapoma Segovia 208* (HOLO-TYPUS: Herbarium Ochoanum; Isotypus: MOL,USM). Paratypi: PERU. Dept. Lima, prov. Canta, inter Antura et Huarhuaymarca, 2600-3000 m supra mare, In terae praeruptis xerophyticas, in solis siccis, duris et saxosis occurit, Aprilis 6, 1979; *C. Ochoa 13257* (MOL,Herbarium Ochoanum,USM).

Herbaceum, tuberiferum. Plantae simplices vel ramosae, 50-60(-70) cm altae. Caules cylindrici, exalati, laete virides, sparsim pilosi; pili simplici, pluricellulares 1.5-2.0 mm longis, cum pilis brevibus, paucis, glandular-tetralobulatis intermixti. Internodia (2.5-)5.0-6.0(-14.0) cm longa. Stolones 1 m vel plus longi, tubera alba, ovalia, oval-pyriformia vel complanata, 2-4 cm longa, 1.0-1.8 cm crassa. Folia imparipinnata 15.0-18.0(-25.0) × 10.0-11.0(-16.0) cm laete viridia, supra sparse pilosa, subtus palidiora pilis brevibus instructa; 3-4(-5) juga et 3-6(-8) paribus vel plus foliolis interjectis ornata. Raquis et petioli sparse pilosi, pilis longis simplicibus intermixti cum pilis brevibus glandular tetralobulatis. Foliolum terminal lateralibus mayus vel valde magnum 5.0-7.0 × 3.5-5.0 cm late elliptico lanceolatum, apice acutum vel breviter acuminatum, basi rotundatum, vel oblique rotundatum, breviter cuneatum et anguste decurrens. Foliola lateralia primi jugis 3.2-5.5 × 2.0-3.0 cm ad basim



Solanum arahuayum Ochoa
Graciela Vilcapoma Segovia 208 (holotype).

gradatim minora, apice acuto, basi rotundata vel oblique rotundata, sessilia atque latere basiscopico anguste decurrentia. Foliola interjecta anguste elliptico-lanceolata vel triangulariter-lanceolata, basi membranacea vel decurrentia, magnitudina varibilia 2-12 mm longa. Foliola omnia marginibus fere undulata. Foliola pseudostipulacea anguste falcata usque ad auriculata 10-12 \times 5-6 mm. Inflorescentia cymosa vel cymoso-paniculata 10-12(-20) flora. Flores pulchrae, pedunculi 3-4 cm vel longi, tamquam pedicelli pilis simplicis et pilis glanduliferis tetralobulatis induta et in $\frac{2}{3}$ vel prope calicem articulati. Calyx 10-12 mm longus, pilosus, laete viridis, lobi anguste elliptico lanceolati, late membranacei, in acumina longa subspathulata 5-7 mm longa producti. Corolla rotata, magna 3.5-4.0 cm diam., lilacina, stella virideflava, columna antherarum asymmetrica, cylindrico-conica, filamenta 1.0-1.5 mm longa, pauci pilis inter-filamenta, antherae lanceolatae 6.0-6.5 mm longae, aurantiacae, basi cordatae. Stylus 12-14 mm longus, 5 mm exsertus, basi usque ad $\frac{1}{2}$ dense papillosus, stigma captitatum, parvum, ovario globosum. Numerus cromosomatum: $2n=24$. Ad seriem *Tuberosa* pertinet.

Affinitates: Caulibus cylindricis, exalatis, corolla forma, magnitudine et colore, calyce forma, magnitudine et pubescentia *Solanum wittmackii* Bitt. affine, sed *S. arahuayum*, cujus pilositas minus densa, pilis simplices breves, pili glanduliferi tetralobulati plus sparsi, forma et dissectio foliorum bene distincta. Vice versa foliola breviora usque ad 4-juga et foliolum terminale valde magnum *S. medians* proxima videtur. Denique *S. arahuayum* verisimiliter ex hybridation *S. medians* et *S. wittmackii* orta.